



# Mouse Anti-Human SELE monoclonal antibody, clone FOB2 (CABT-L1123)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	This antibody reacts with E-selectin CD62-E, previously designated the Endothelial Leucocyte Adhesion Molecule-1 (ELAM-1). It reacts with Human endothelial cells activated with TNF $\alpha$ , IL-1 or Endotoxin. The antibody was found to react also with cells transfected with the E-Selectin gene. It inhibits the adhesion of Granulocytes both Neutrophilic and Eosinophilic.
<b>Target</b>	SELE
<b>Immunogen</b>	CD62E / E-Selectin protein
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Baboon, Chimpanzee, Cynomolgus Monkey, Rhesus Monkey.
<b>Clone</b>	FOB2
<b>Purification</b>	Protein G Chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IP, IA, IHC-F
<b>Format</b>	Liquid
<b>Concentration</b>	0.1 mg/ml
<b>Size</b>	100 $\mu$ g
<b>Buffer</b>	PBS with 0.1% BSA

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<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store the antibody undiluted at 2-8°C.

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## BACKGROUND

<b>Introduction</b>	CD62E is also known as endothelial leukocyte adhesion molecule 1 (ELAM1) or E selectin. It is a type I membrane protein that belongs to the selectin family of surface molecules (along with CD62L and CD62P). Selectins are C type cell surface lectins that play a role in leukocyte adhesion to the blood vessel wall endothelium. CD62E (E selectin) is an endothelial cell specific selectin that is expressed on cytokine induced endothelial cells only after activation with proinflammatory cytokines. In vitro experiments have shown that IL1, TNFalpha and bacterial wall components like lipopolysaccharides induce the transcription of CD62E in an NFkB dependent signalling cascade. CD62E has been associated with blood vessel endothelium in diverse inflammatory situations. The main ligands recognised by CD62E are oligosaccharides related to sialyl lewis x.
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<b>Keywords</b>	SELE;selectin E;ELAM;ESEL;CD62E;ELAM1;LECAM2;E-selectin;ELAM-1;endothelial adhesion molecule 1;CD62 antigen-like family member E;endothelial leukocyte adhesion molecule 1;leukocyte endothelial cell adhesion molecule 2;leukocyte-endothelial cell adhesion molecule 2
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## GENE INFORMATION

<b>Synonyms</b>	CD62 antigen-like family member E, ELAM1, Endothelial leukocyte adhesion molecule 1, LECAM2, Leukocyte-endothelial cell adhesion molecule 2, SELE
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<b>Entrez Gene ID</b>	<a href="#">6401</a>
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<b>UniProt ID</b>	<a href="#">P16581</a>
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